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ADDENDUM NO. 2

Date: March 23, 2009

BID No. 09-0207

Construction of Paisley Fire Station

This addendum is being issued to make the following changes, corrections, clarifications and additions to the bidding document. The information in this addendum modifies and changes the original bidding documents and takes precedence over the original documents. **Respondents shall acknowledge receipt of this addendum by completing this form and returning it with the response. Failure to acknowledge this addendum may preclude consideration of the bid proposal award.**

Change/add the following:

- The new bid opening date has been extended until April 1, 2009 @ 3:00p.m.
- There will be no RFI's answered.

General:

Item G-1: The following corrections, modifications and/or clarifications shall be appended and become part of the drawings and specifications for the above referenced project. Please acknowledge receipt of this Addendum on your project Bid Form.

Landscape & Irrigation:

Item L1: Drawing LI-101 – Delete “Well Specification” section shown on Drawing LI-101 in its entirety. Single well shall be provided for project which shall provide water for Potable Drinking, Storage Tank, and Irrigation. Per Key Note #8 on Drawing C600 the well and pumping system shall provide 85 GPM @ 60 PSI.

Structural:

Item S1: Drawing S1.2, Roof Framing Plan – Revise roof framing plan per attached Sketch SKS-4.

Item S2: Drawing S9.2, Sections & Details - Revision to Section 3/S9.2 per attached Sketch SKS-5.

Item S3: Drawing S9.5, Sections & Details – Revise Section 5/S9.5 per attached Sketch SKS-6.

Item S4: Drawing S1.2, Roof Framing Plan – Revise CB-4 elevations at Apparatus Bay doors to 116'-8" (T/CONC. BEAM).

Architectural:

Item A1: Drawing A0.3, Architectural Site Details – Clarification of Plan Detail 7/A0.3 and Screen Wall Section 9/A0.3 per attached Sketches A0.3.1 & A0.3.2.

Item A2: Drawing A1.4, Roof Plan – Revise Detail 5/A1.4 per attached Sketch A1.4.3.

Item A3: Drawing A2.1, Building Elevations – Revise West Elevation 1/A2.1 window and front entry and East Elevation 2/A2.1 windows per attached Sketches A2.1.4 and A2.1.5 and Apparatus Bay doors per attached sketches A2.1.27 & A2.1.28.

Item A4: Drawing A2.3, Building Sections – Revise Building Sections 1/A2.3 and A2.3 per attached Sketches A2.3.6 and A2.3.7.

Item A5: Drawing A2.4, Building Sections – Revise Building Sections 1/A2.4 and 2/A2.4 per attached Sketches A2.4.8, A2.4.9 & A2.4.10.

Item A6: Drawing A3.1, Wall Sections – Revise Wall Sections 1/A3.1, 2/A3.1 and 3/A3.1 per attached Sketches A3.1.11, A3.1.12, A3.1.13, & A3.1.14.

Item A7: Drawing A3.5, Wall Sections – Revise Stair Section 1/A3.5 and 2/A3.5 per attached Sketches A3.5.15 & 3.5.16.

Item A8: Drawing A4.1, Enlarged Plans – Revise Elevation 15/A4.1 & Plns 9/A4.1, 17/A4.1 per attached Sketches A4.1.17 & A4.1.18.

Item A9: Drawing A4.2, Interior and Casework Elevations – Revise 5/A4.2 and Toilet Accessory Legend per attached Sketches A4.2.19 & A4.2.20.

Item A10: Drawing A7.1, Schedules – Revise Door & Frame Schedule per attached Sketch A7.1.25. Revise apparatus Bay door elevation per attached Sketch A7.1.30

Item A11: Drawing A8.2, Door and Window Details – Revise Details 1/A8.2 and 5/A8.2 per attached Sketches A8.2.21 & A8.2.22.

Item A12: Drawing A9.1, Building Details – Delete Detail 2/A9.1 and Revise Detail 3/A9.1 and 6/A9.1 per attached Sketches A9.1.23 & A9.1.24 & A9.1.26.

Item A13: Drawing A5.1, Reflected Ceiling Plan – Delete reference to U.L. Fire Rated Assembly at Apparatus Bay ceiling per attached Sketch A5.1.31. Note that rated assemblies will be required at ceiling of Balcony 207, Gear Storage 124, Gear Storage 125, Storage 127 and Storage 128 as shown elsewhere in the Construction Documents.

Item A14: Drawing A3.2, Wall Sections – Revise Wall Sections 2/A3.2 and 3/A3.2 per attached Sketches A3.2.29.

Item A15: Drawing A5.1, Reflected Ceiling Plan – Add following to description of Linear PVC Ceiling description in Reflected Ceiling Legend:

Linear PVC Ceiling: Basis of Design – Kaycan Vinyl Soffit; Solid 10”, model 0616; PVC panel of .042 in. thickness with double 5 inch profile panel, 10 inch wide exposure configured as two 5 inch panels, 12 ft. length. Provide PT cont. 1x3 nailing strips running perpendicular to roofing joist in configuration to nail soffit panels at spacing recommended by manufactures. Provide manufacturers standard accessories including channels and trim pieces. Color shall be selected from manufacturer’s full standard color line.

Mechanical:

Item M1: Drawing M2.1, Floor Plan HVAC - Location and type of space relative humidistat for first and second floors changed to be duct mounted type to be installed in return ductwork upstream of bypass damper as shown on attached Sketch MSK 2.1-1.

Item M2: Drawing M3.1, Schedules HVAC - Return air Relative Humidity Sensor added to Change over Bypass System control schematic and Air Flow Measuring sensors deleted from Zone Damper control schematic per attached Sketch MSK 3.1-1.

Electrical:

Item E1: Drawing E1.0, Symbols List & Luminaire Schedule Electrical: Revise Drawing E1.0 per attached Sketches ESK E1.0-1.

Item E2: Drawing E2.0, Site Plan Electrical: Revise Drawing E2.0 per attached Sketch ESK E2.0-4.

Item E3: Drawing E3.0, 1st & 2nd Floor Lighting – Light Fixture in Bathroom #206 to be Type “M” per attached Sketch ESK E3.2-1.

Item E4: Drawing E3.2: 1st & 2nd Floor Systems - Revise Drawing E3.2 per attached Sketches ESK E3.2-2 & ESK E3.2-3. Fire Alarm smoke detectors, referenced on the Fire Alarm Riser Diagram are added. Duct mounted smoke detectors required in both supply and return ducts per Mechanical Drawings. CO sensors in the Apparatus Bay 100 have been relocated and coordinated with the Mechanical Drawings. Install communication equipment on rack in telephone room where possible, other equipment to be installed on TTB – arrange in field to provide ease of working clearance.

Item E5: Drawing E4.0, One Line Diagram & Details: Revise Drawing E4.0 per attached Sketch ESK E4.0-3. 600A MCB is located in Electrical Room 104.

Item E6: Drawing E4.1, Schedules Electrical - Revise Drawing E4.1 per attached Sketch ESK E4.1-4.

Item E7: Drawing E5.0, Details Electrical - Revise Details on Drawing E5.0 per attached Sketch ESK E5.0-1. Add Time clock and photocell contactor.

Plumbing:

Item P1: Drawing P3.3, Fixture Schedule Plumbing - Revise lavatory model numbers for L-2 & L-3 and added carrier make and model for wall hung lavatories on plumbing schedule per attached Sketch PSK3.3-1.

Fire Protection:

Item F1: Drawing F2.1, Floor Plan Fire Protection - Location of spring up piping shifted per revised attic sprinkler head layout per attached Sketch FSK2.1-1.

Item F1: Drawing F2.2, Roof Plan Fire Protection – Revised sprinkler head layout in attic space per attached Sketch FSK2.2-1.

Specifications:

Item SP1: Modify Specification Section 16060, Grounding and Bonding; Paragraph 3.4: Delete Sub-Paragraph “A.” in its entirety. The hiring of the testing agency shall be the responsibility of the Contractor.

Item SP2: Modify Specification Section 06100, Rough Carpentry: Add to Section 2.5 as follows:

2.5 FIRE-RETARDANT-TREATED PLYWOOD

- B. General: Comply with performance requirements in AWPA C27.
 - 1. Use treatment that does not promote corrosion of metal fasteners.
 - 2. Use Exterior type for exterior locations and where indicated.
- C. Kiln-dry material after treatment to a maximum moisture content of 15 percent. Do not use material that is warped or does not comply with requirements for untreated material.
- D. Identify fire-retardant-treated plywood with appropriate classification marking of UL, U.S. Testing, Timber Products Inspection, or another testing and inspecting agency acceptable to authorities having jurisdiction.
- E. Application: Treated plywood indicated on Drawings
- F. Reference structural for required grade, span rating, and plywood thickness.

Item SP3: Modify Specification Section 09671, Epoxy Floor Coating; Add to Paragraph 2.1, Sub-paragraph B; Products of the following manufacturers are approved provided compliance with specified technical requirements:

- 7. Tnemec Power Tread 237/281/291

Item SP4: Modify Specification Section 08360, Sectional Garage Doors; Add to Paragraph 2.1, Sub-paragraph A; Products of the following manufacturers are approved provided compliance with specified technical requirements:

- 1.. Doors
 - c. Clopay Doors
 - d. Ideal Door

- 2.. Door Openers
d. Lift Master

RFI Q & A's:

RFI Question 1: *In regards to the overhead doors for the Fire Station, the specs call for either Raynor or Overhead Door, wanted to see if we could submit an alternate for the door company and opener which is Clopay Doors and Lift Master for the openers. We can submit drawings and specs for both the county's approval. These are what we use in all the other fire stations that we have maintained or changed out for Lake County under our contract.*

RESPONSE: Reference Specification Item SP4 above.

RFI Question 2: *I was informed by Overhead Door that the impact laminated glass will not meet the required wind load. Can glass inserts be eliminated?*

RESPONSE: The Glass may not be eliminated from the overhead doors. Reference Specification Item SP4 for additional manufacturers.

RFI Question 3: *Fire retardant treated plywood sheathing: Spec book does not indicate fire treated roof plywood sheathing. However, 1/A3.3 shows fire retardant treated plywood sheathing. Is all roof plywood sheathing to be fire treated plywood sheathing or is there any specific area to receive fire treated plywood sheathing?*

RESPONSE: All roof sheathing is not fire-treated plywood. Reference Architectural Drawing A1.0 for extent of Fire Treated Roof Sheathing. Reference Specification Item SP2 above for further clarification on material required.

RFI Question 4: *Vent or Clad page A3.2: Plan shows prefinished aluminum fascia vent and soffit cladding. There is not a 2 x 8 on the bottom of the truss tails as shown in detail 1/A9.1. Insulation is shown in details 1, 2 & 3/A3.2 and 1/A9.1 Is there vented soffit or clad covering 2 x 8?*

RESPONSE: Soffit shall not be vented. Provide 2x8 on bottom of truss tail per detail 1/A9.1. Reference Architectural Item A12 above for clarification.

RFI Question 5: *Fascia: Kynar paint is not available .019 gauge soffit. Is standard .027 aluminum fascia acceptable?*

RESPONSE: Material shall be pre-finished galvalume per Architectural Item A12 above and project Specification Section 07413.

RFI Question 6: *Conflict on Well. Specs. #1 says Well to reproduce 50 gallons per minute, #2 says the Well to produce 45 gallons per minute. Which one is it?*

RESPONSE: Well criteria has been clarified in Landscape & Irrigation Item L1 above.

RFI Question 7: *The upright sprinklers within the attic space are currently spaced at 12ft centers. The roof slope for the building is 5/12. Per NFPA 13 "2002" Table*

8.6.2.2.1 (a) the maximum spacing of sprinklers perpendicular to the slope shall not exceed 8ft on center in attic spaces with roof slopes exceeding 4/12. Also, there must be a row of sprinklers within 12" of the peak of the roof. Sprinklers may not be closer than 6ft from the eave. Should the system be priced per drawings without regard to NFPA 13?

RESPONSE: Drawings have been modified per Fire Protection Items F1 and F2 above.

RFI Question 8: *I am having issues getting a girder to engineer properly. If you look at sheet A3.3 section 1 (balcony section) there is a girder truss spanning the block wall that carrier the trusses over the garage area. the reaction of that girder is to high for any good connection at each end. Is it possible to bucket into a ledger that is bolted to the concrete lintel at that area instead of making a large girder.*

RESPONSE: Roof framing has been modified in this Addendum. Reference Structural Items S1 and S3 above for modification/clarification.

RFI Question 9: *At this area (Apparatus Bay) there is very little height in the trusses. We cannot get the "T2" truss to work 5-ply. My suggestion is to eliminate the rake wall, move the "T1" truss to that location, we can stud it and it can be sheetrocked for the fire break. Otherwise we need to make the rake wall bearing and put a ledger on it to carry the main span.*

RESPONSE: Roof framing has been modified in this Addendum. Reference Structural Items S1 and S3 above for modification/clarification.

RFI Question 10: *Sheet E3.0 has a type E fixture in the bathroom 206, but the fixture schedule states E is not used. Please advise.*

RESPONSE: Type "M" fixture shall be installed in Bathroom #206. Reference Electrical Item E-3 above for clarification.

RFI Question 11: *Sheet E2.0 note square 3 refers to detail on sheet E4.1. Detail does not exist. Please advise.*

RESPONSE: Delete reference to detail. Reference Electrical Item E-2 above for clarification.

RFI Question 12: *Sheet E2.1 detail 2, concrete pull box refers to a detail -3. Detail does not exist. Please advise.*

RESPONSE: Correction/Clarification addressed in Addendum #1.

RFI Question 13: *Please confirm that there are no fixture type SD on the job.*

RESPONSE: No type "SD" fixtures on this project. Reference Electrical Item E-1 above for clarification.

RFI Question 14: *Mech 109 and storage 126 have a symbol on circuit EP9 that is not in the symbol legend, and I do not recognize. Please identify.*

RESPONSE: Symbol represents a receptacle or device on emergency circuit. Reference Electrical Item E-1 above for clarification.

RFI Question 15: *Spec section 16060 3.4 has conflicting paragraphs. One requires the owner to engage a testing agency, the next paragraph just requires the testing agency to be engage, which, if provided alone would imply that the contractor must engage a testing agency. Who is to provide the testing agency? We assume it is us, because other sections require us to provide testing.*

RESPONSE: Reference Specification Item SP1 above for clarification.

RFI Question 16: *Spec Section 16130 3.1 B 3 requires IMC in the apparatus bay under the section "where subject to damage". Is there a caveat requiring it only below a certain height or is it required all the way to the structure above?*

RESPONSE: The height is to be field coordinated between Contractor, Owner and Engineer and shall depend on where the conduit is located. The purpose is to protect the conductors from possible vehicular or other damage that could occur in the area.

RFI Question 17: *Spec section 16130 requires a minimum conduit size of ¾" for all conduits. Is this meant to apply to LFMC and FMC? What is the minimum size for lighting fixture whips?*

RESPONSE: Minimum conduit size generally shall be ¾" unless for applications such as door frames and "tight" spaces, where ½" is allowed. LFMC and FMC and fixture whips can be ½" but limited to 6" lengths.

RFI Question 18: *In section 15300– Fire Protection section 2.31, it states gate valves 2 ½" or larger shall be flanged OS & Y type. Butterfly valves shall not be used. The fire protection pump drawing (F1.1) according to the fire pump legend item 8 shows and indicates butterfly valves are used, are these acceptable even though it conflicts with the specifications?*

RESPONSE: Butterfly valves are acceptable for this project per the Drawings.

RFI Question 19: *Reference the Spec Book, 01500-7. This indicates that the GC will be required to fence in the property with c/f and gates. Per the prebid, the site is already fenced and gated. Will the temporary chain link fence be required during the construction of this project? If so, will it be required to completely enclose the site?*

RESPONSE: Per pre-bid the utilization of the existing fencing and gate will be acceptable. However, Contractor is to insure that existing fence assembly is secure and adequate and Contractor shall be responsible for maintaining security of site during full period of construction.

RFI Question 20: *Do you have fire rating detail for the garage ceiling? The UL listing given on sheet A5.1 is irrelevant to the intent of the drawings and there is no clear detail of what is required.*

RESPONSE: Garage ceiling assembly is not required to be fire rated. Reference Architectural Item A13 above. Note that rated assemblies will be required at ceiling of Balcony 207, Gear Storage 124, Gear Storage 125, Storage 127 and Storage 128 as shown elsewhere in the Construction Documents.

RFI Question 21: *There is a discrepancy on sheet A6 and A9.1 for the brass sliding pole manufacturer. Who is the approved manufacturer of the brass sliding pole? Darley or McIntire Brass Works?*

RESPONSE: Basis of Design is McIntire Brass Works Inc. Model #19 Brass Pole, and Model #20 Gates, Guards and Trim Ring as noted on Drawing A6.1.

RFI Question 22: *Are there anymore specs or details for the lockers other than what is shown on sheet A4.3?*

RESPONSE: Clarification issued as part of Addendum #1.

RFI Question 23: *Spec page 07413-6, section 2.4B.1, states that the gutters are to be 24 gauge galvalume, but detail 1 on A9.1 states aluminum gutters.*

RESPONSE: Provide galvalume gutters per specification. Reference Architectural Item A12 above for clarification.

RFI Question 24: *Spec page 07413-6, section 2.4B.2, states that the fascia is to be 22 gauge galvalume, but the same detail above shows aluminum fascia to match the soffit.*

RESPONSE: Provide galvalume fascia and soffit per specification. Reference Architectural Item A12 above for clarification.

RFI Question 25: *The line drawing on sheet E-4 of the Paisley Fire Station shows using a 125 KW generator and feeding from three breakers on the generator (A 600 amp, 150 amp, and 60 amp) to three separate transfer switches. I have got feed back from Cummins and Power Tech and they say this will not work. They can't place these three breakers on a 125KW and Power Tech says the largest breaker he will install on a 125 is a 450 amp breaker.*

RESPONSE: No changes will be made. Equipment will remain as designed. Note that the fire pump and emergency power to building will not operate simultaneously. The FLA for the 125 KW generator is 433 A. The breaker is sized just over 138% of the full load amps.

RFI Question 26: *Sheet E2.0 shows detail #2 for a concrete hand hole but the actual detail is shown as a man hole. The drawings do not reference this detail. However, note 4 on sheet E.0 refers to a hand hole for the traffic control. Pending clarification of detail #2; will a 24" x 18" x 18" composite open bottom pull box w/traffic rated cover be acceptable?*

RESPONSE: Reference Electrical Item E2 above for clarification.

RFI Question 27: *Sheet E4.0 shows an enclosed circuit breaker rated at 60A being fed from 600A MDP via ATS-2 which is also rated 600A. Please confirm that the enclosed circuit breaker is to be provided at 600A rating in lieu of the 60A shown.*

RESPONSE: Correction issued as part of Addendum No. 1. Breaker to have 600A rating.

RFI Question 28: *There is no location shown on the drawings for the 2 enclosed circuit breakers shown on the riser diagram sheet E4.0. Please provide location for this equipment.*

RESPONSE: Reference Electrical Item E5 above for clarification.

RFI Question 29: *The CO/NO2 sensors are tied into the roll up door switches. What function do the switches serve, enable, or disable, status?
When the CO/NO2 sensors go into alarm what is the sequence of operations (start exhaust fans, open dampers, annunciation)?*

RESPONSE: Sensing a gas concentration more than allowable limits by any sensor shall enable the door actuators to open the sectional overhead apparatus bay doors. Closing the doors shall be by the manual close switch but the manual close switch shall be disabled and remain disabled while gas concentration is above allowed limits.
There is no exhaust fan or damper to be activated. An audible alarm should be activated in the apparatus bay when sensors go into alarm mode to warn occupants.

RFI Question 30: *The sequence of operations for the zoned air handlers calls for a dehumidification routine yet there are no humidity inputs on the points list, please clarify.*

RESPONSE: Reference Mechanical Items M1 and M2 above in this Addendum for modifications to relative humidity sensor locations.

RFI Question 31: *The points for the VVT boxes show an input for air flow. Usually this is not part of a Variable Volume and Temperature system. Will air flow sensors be necessary?*

RESPONSE: Air flow sensors are not necessary for zone dampers.

RFI Question 32: *What is the proposed routing for utility power and generator power for the Fire Pump. Specifically, can it go under the slab for utility power? Can the generator conduit go under the slab?*

RESPONSE: Under the slab will be allowed however the Contractor/SubContractor shall be fully responsible for coordination and the "means and methods" for installation.

RFI Question 33: *Is the conduit run shown from the generator to the transfer switches on sheet E2.0 meant to require the conduits to route around the building in lieu of a direct route under the slab? If so, what sizing requirements will there*

be for handholes. Each run will exceed the allowable number of bends.

RESPONSE: Under the slab will be allowed however the Contractor/SubContractor shall be fully responsible for coordination and the “means and methods” for installation.

RFI Question 34: *The grounding for the MDP is not understandable. The neutral and ground bond takes place in the generator and the MCB OK. Now no wire is shown from the MCB to the ATS, but from the ATS to the MDP there is no grounding wire. Then there is an isolated ground bus that as far as I know cannot be created by going to the grounding electrode system again, and definitely cannot be bonded to the neutral creating two separate neutral bonds and parallel paths to ground. There are only 3 isolated ground circuits in the project, and they all originate from panel PP2, yet PP2 does not have the isolated ground even run to it and is not equipped with an isolated ground bus. While there is a lot of confusion regarding isolated grounds throughout the industry, my understanding is that an IG must originate at the bonding point between neutral and ground. Since the ATS is 4 pole this location shifts when the source shifts. I see three ways to create an IG legally. One very expensive and I am not sure it exists, and that is a 5 pole transfer switch with two grounds from each source and the IG switched. Run an additional wire (probably #10 is large enough) from both the generator and the MCB through the ATS and MDP and install an IG bus in PP2 only. Or run an additional ground sized by your choice to an IG bus that is not bonded in the MDP, then an additional ground to PP1 with an IG bus and again to PP2 with an IG bus.*

RESPONSE: No “IG” is required for this project. Reference Electrical Item E5 above for clarification.

RFI Question 35: *Is a ground required from ATS to the MDP?*

RESPONSE: Yes a ground will be required from ATS to the MDP.

RFI Question 36: *What should be done for isolated grounding?*

RESPONSE: No “IG” is required for this project. Reference Electrical Item E5 above for clarification.

RFI Question 37: *What wire, ground, and conduit size is required from the MCB to the MDP?*

RESPONSE: 2 sets of 350 Kcmils, 1 #1 GND in 3 ½” conduit each.

RFI Question 38: *The front door has an unidentified symbol I assume is an electric lock (strike actually). No indication of this on the Architectural hardware schedule. If we are to supply (usually supplied by door person) we will need a specification. Also, how is the door strike operated?*

RESPONSE: Referenced device shall be deleted from the front door as part of this Addendum.

RFI Question 39: *There are 2 locations with a square KP, which I assume should be a keypad but there is no corresponding symbol in the legend, or KP on the hardware schedule. Please advise.*

RESPONSE: A “KP” (Access Control Keypad) shall be provided at the Covered Patio

#122 only. Contractor shall allow for a Jbox and conduit and wiring back to the Telephone Room 112.

RFI Question 40: *Are we supposed to provide cabling for the telephone and data system? I ask because spec section 16715 is for conduit only. General note B on sheet E3.2 requires CAT 6 cable to the combination outlets, but does not address the telephone or data only outlets. The same note requires patch panels and 66 blocks, and a spot on the 1st floor plan calls out a 110 Block with surge suppression and a 7' by 19" rack. There are, however, no specifications for any of the Data equipment. Section 16715 states that the owner will supply cover plates. If we are to supply, are we supposed to assume minimum code equipment, cable and installation?*

RESPONSE: Include voice, data and CATV cabling back to the Telephone Room 112 and provide all outlets as shown on floor plans. General Note B shall refer to all types of communication outlets. Delete 66 blocks; use 110 blocks with surge protection. Reference Electrical Item E4 above for further clarification.

RFI Question 41: *It seems that details 1,2 and 4 on sheet E5.0 refer to telephone room 112, but the rack shown on sheet E3.2 would block access to the amplifier. The room seems too small for TV, phone, data, and PA. Please advise.*

RESPONSE: Reference Electrical Item E7 above for clarification.

RFI Question 42: *Please provide a detail and/or specifications on what you require at each wireless access point location.*

RESPONSE: A typical access point shall consist of 1-4 pair Cat 6 UTP cable to above ceiling 1900 box.

RFI Question 43: *In mechanical room #109 sheet 3.2 there is a square note 6 which is not applicable to the drawing. What is supposed to be here?*

RESPONSE: Key Note 6 deleted. Reference Electrical Item E4 above for further clarification.

RFI Question 44: *Are the note six locations supposed to have volume controls installed and hooked to the local speakers or just be stubbed up for future?*

RESPONSE: The volume controls will be tied to the local area speakers.

RFI Question 45: *AHU-1 requires a supply side duct detector, but none is shown on the fire alarm plan. Please advise whether we are to provide this with the fire alarm system.*

RESPONSE: Fire Alarm riser does show typical supply side detectors.

RFI Question 46: *Room 106 has a note 8 which is an apparent error. Please advise.*

RESPONSE: Key Note 8 shall be deleted from Office #106.

RFI Question 47: *The apparatus bay has a single CO detector with a note 5 attached. The mechanical plan has 2 indifferent locations. Note 5 doesn't require any*

wiring, but it seems to me that we will need power for the CO detectors and a power source, conduit and wiring for the contactor shown on detail 6 sheet E5.0. Please advise.

RESPONSE: There are 3 CO detectors (provided by Mechanical contractor) each requiring a 24VAC; they are equipped with dry contactor closures which is tied to the door contactor. Reference Electrical Item E7 above for further clarification.

RFI Question 48: *Where is the 600A service entrance MCB supposed to be located? (modified)*

RESPONSE: In the Electrical Room 104; note TTB will be deleted.

RFI Question 49: *Where is the "location of the dispatch radio as referenced in note 5 on sheet E2.0?*

RESPONSE: Owner to verify during construction but make pricing in bid for either Office 106 or Work Space 107.

RFI Question 50: *Reference Detail 15/A4.1: / Detail does not show toilet accessories such as toilet paper holder, paper towel dispenser/waste receptacle, grab bars at toilet or soap dispenser. Are these accessories required?*

RESPONSE: Reference Architectural Item A8 above for clarification.

RFI Question 51: *Reference CB-4 elevation and BB-1 elevation around the apparatus bay door shown on sheet S1.2 head height and bond beam elevations shown on section 3/A3.2, and the overhead sectional door height of 15' – 8" shown on the door elevations and door schedule on Sheet A7.1: Elevations conflict each other and do not work with door height. Please clarify.*

RESPONSE: Reference Structural Item S4 above for CB-4 elevation clarification. Reference Architectural Item A3 above for Building Elevation clarification at Apparatus Bay doors, Architectural Item A14 above for related Building Section clarification, and Architectural Item A10 above for Apparatus Bay door size clarification.

RFI Question 52: *Please provide specifications for the linear PVC ceiling in the apparatus bay.*

RESPONSE: Reference Architectural Item A15 above.

RFI Question 53: *Reference Sheet A0.4 – U.L. design no P522; is this design assembly used on this project and if so, in what areas in the building, as the building section /details do not reflect a gypsum board "lid being installed on the bottom side of the trusses. Please clarify.*

RESPONSE: This U.L. Design Assembly is not utilized for this project.

RFI Question 54: *Need Model numbers for the following: Stainless steel access panels, floor cleanouts, wall cleanouts.*

RESPONSE:

Access Panel: Mifab UA-10X10-SS or equal.
Floor CO: Zurn Z1400 or equal.
Wall CO: Zurn Z1441 or equal.

RFI Question 55: *Is the sanitary waste and vent PVC or cast iron.*

RESPONSE: PVC is acceptable

RFI Question 56: *Plans do not reference shower drains... is Zurn #ZN-415-5BP-P3' acceptable? If not please identify.*

RESPONSE: Zurn #ZN-415-5BP-P3' or equal is acceptable.

RFI Question 57: *Lavatory #2 American Standard model #0373.027.020 is not ADA compliant. Do we bid as specified or is model #0355.012.020 acceptable?*

RESPONSE: Drawings modified per this Addendum. Reference Plumbing Item P-1 above.

RFI Question 58: *Lav #3 American Standard model #0954.000.020 Murro wall hung sink did not specify a carrier. This sink does not come with brackets. Please specify carrier if required.*

RESPONSE: Drawings modified per this Addendum. Reference Plumbing Item P1 above.

RFI Question 59: *Specify water heater stand brand / model.*

RESPONSE: Stand fabricated by contractor/sub-contractor.

RFI Question 60: *Is the shower to be site built raised, recessed or pre manufactured curb, Does plumber need a pan?*

RESPONSE: Shower to have site built raised curb (excluding ADA shower in Med Wash #117) in compliance with Tile Council of North America recommendations.

RFI Question 61: *Door Frames - Door numbers 100C, 110D, 102A & 108 from frame type HM2 to HM1 – Is this correct? Also, is door frame type HM1 supposed to be hollow metal?*

RESPONSE: Reference Architectural Item A10 for clarification of frame types for noted doors. Frame Type HM1 is Hollow Metal per Hollow Metal Frame Types and Door/Frame Schedule on A7.1.

RFI Question 62: *Page SP2.1A1: Drawings show a section panel style design door and specs show a steel frame and steel panels. Please confirm this is correct.*

RESPONSE: Provide door per Specification Section 08360, Sectional Garage Doors.

RFI Question 63: *Specification Section 08360, Page SP2.5A. Specs reference extension springs. Extension springs will not work for this application. A Torsion spring system would be the only option.*

RESPONSE: Provide a torsion spring system for this project.

RFI Question 64: *– Page A3.2, Wall Section, Detail 2 – Elevation shows door head height 116’ 4” which contradicts the door schedule height at 15’ 8”.*

RESPONSE: Reference Structural Item S4 above for CB-4 elevation clarification. Reference Architectural Item A3 above for Building Elevation clarification at Apparatus Bay doors, Architectural Item A14 above for related Building Section clarification, and Architectural Item A10 above for Apparatus Bay door size clarification.

RFI Question 65: *Power Pole, Page A0.2: Two power poles shown in the drive apron & C-200 only one power pole removed/ relocated. As of 03.11.09 SECO does not have a cost for moving pole. Can you issue and allowance to be used.*

RESPONSE: Allowance of \$5,000 is shown in Schedule of Values (Division 1515) for Permanent Power Hook-Up which is part of the Construction Invitation to Bid. Per Owner this shall be used toward power pole relocation.

RFI Question 66: *Can pre-cast mitered end sections be used in lieu of cast in place mitered end sections?*

RESPONSE: Pre-cast mitered end sections complying with pond side slopes are acceptable for this project.

RFI Question 67: *How many wells are there on this project. Sheet C600 has a well spec and sheet L1101 has a well spec. Are there to be two wells?*

RESPONSE: Provide a single well for this project. Reference Landscape & Irrigation Item L1 above for clarification. Irrigation system to be connected at backflow preventer per Legend on Drawing LI101.

End of Addendum 2

Firm Name: _____ Date: _____

Signature: _____ Title: _____

Typed/Printed Name: _____

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